Amendment to the Specification

Substitute on page 12, last page of the originally filed specification, under the heading Detailed Description, instead of original paragraph 3:

A structure of the stream computer applicable herein is discussed in the parent application, and is incorporated herein in its entirety.

Replace with marked up version:

A structure of the stream computer applicable herein is discussed in the parent application, now issued US patent 6,920,545, and is incorporated herein in its entirety.

Substitute on page 4 of the originally filed specification , under the heading of Brief Description of the Drawing, last item instead of

Fig 9 shows an example of allocating part of a stream computer to implement the digital logic required to generate breakpoints and viewpoints.

Replace with marked up version:

Fig 9 shows an example of allocating part of a stream computer to implement the digital logic required to generate breakpoints and viewpoints[.] ;

Fig 10 shows an example of allocating part of a stream computer into a first plurality of interconnected functional units for computation of results and a second plurality of interconnected functional units for generating viewpoints as detailed in fig 9.

Add new paragraph in page 12 of the originally filed specification, after "integrated on a single semiconductor or hybrid substrate to minimize size and cost" and before "The structure of the stream computer applicable herein..."

The structure of Fig 9 is redundantly detailed in Fig 10. Fig 10 shows the stream computer of Fig 9, where the functional units forming the stream computer have been allocated to a first plurality of interconnected functional units (Unit 1, Unit2... Unit K) and a second plurality of interconnected functional units (unit N, unit M... Unit Z). The first plurality of interconnected functional units[,] are responsive to a data stream containing data and tokens to be operated on by one or more of said first plurality of interconnected functional units. The tokens identify how each interconnected functional unit of said first plurality of interconnected functional units are to operate on said data stream. The first plurality of interconnected functional units operate concurrently in response to the data stream.

The second plurality of interconnected functional units are allocated for concurrently comparing the data stream, and optionally, internal streams within said stream computer, with a debug stream to generate debug signals. Reporting logic, shown in fig 9, is responsive to said debug signals for reporting the occurrence of matches between said data stream and said debug stream, made compatible with human perception. The second plurality of interconnected functional units also extracts similarities between said data stream and said debug stream to generate viewpoints.